

Title (en)
CELLULAR COMMUNICATION SYSTEM, METHOD FOR TERMINAL HANDOVER BETWEEN CELLS AND MACRO BASE STATION

Title (de)
MOBILKOMMUNIKATIONSSYSTEM, VERFAHREN ZUR ENDGERÄTEÜBERGABE ZWISCHEN ZELLEN UND EINER MAKRO-BASISSTATION

Title (fr)
SYSTÈME DE COMMUNICATION CELLULAIRE, PROCÉDÉ DE TRANSFERT INTERCELLULAIRE D'UN TERMINAL ET MACROSTATION DE BASE

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Abstract (en)
The present invention discloses a cellular communication system, an inter-cell handover method for a UE, and a macro base station. The cellular communication system includes a macro base station and at least one micro base station within coverage of the macro base station. The macro base station is configured to: establish a control channel for a UE served by the micro base station; perform an access management operation for the UE served by the micro base station within the coverage of the macro base station; and receive a handover request of the UE and hand over the UE to another micro base station within the coverage of the macro base station. The micro base station is configured to establish a data channel for the accessed UE and perform data transmission with the UE. With the present invention, the control plane of the user served by the micro base station can be separated from the data plane of the user, so that the resources of the micro base station can be better used for data communication. Hence, the negative impacts on the system which are caused by the coexistence of macro cells and micro cells in the networking can be reduced.

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